

PATENT Attorney Docket 70478

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Stephan W. WEGERICH et al. **CERTIFICATE OF MAILING** Appln No.: 09/780,561 I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the Filed: February 12, 2001 date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. For: SIGNAL DIFFERENTIATION SYSTEM **USING IMPROVED NON-LINEAR** 12/4/01 **OPERATOR** Perry J. Hoffman Date Registration No. Attorney for Applicant(s) Group Art Unit: 2123 Examiner: Group 2100

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents and Trademarks ATTENTION: Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Pursuant to the duty of disclosure under 37 CFR § 1.56, and in accordance with 37 CFR §§ 1.97, and 1.98, Applicants supplement herewith the statements dated September 28, 2001 and September 14, 2001, and bring the following information with respect to the above-identified patent application to the attention of the Examiner.

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Attorney Docket 70478

U.S. PATENT DOCUMENTS

Patent No.	<u>Issue Date</u>	<u>Inventor(s)</u>
3,045,221	07/17/62	Roop
Re. 31,750	11/27/84	Morrow
5,586,066	12/17/96	White et al.
5,774,379	06/30/98	Gross et al.
5,987,399	11/16/99	Wegerich et al.

FOREIGN PATENT DOCUMENTS

Publication			
Patent No.	Date	<u>Country</u>	
WO 00/67412	11/09/00	PCT	

OTHER DOCUMENTS

"Application Of A New Technique For Modeling System Behavior" by Paul J. O'Sullivan, presented at the ISA Symposium, Edmonton, Alberta, May 1, 1991, © Copyright 1991 Instrument Society of America (21 pp.)

"A Universal, Fault-Tolerant, Non-Linear Analytic Network For Modeling And Fault Detection," by J. E. Mott, R. W. King, L. R. Monson, D. L. Olson, and J. D. Staffon, Proceedings of the 8th Power Plant Dynamics, Control & Testing Symposium, Knoxville, Tennessee, May 27-29, 1992 (14 pp.)

ModelWare™ Product Review by Robert D. Flori, reprinted from Computerized Investing, September/October 1992, Volume XI, No. 5, copyright by The American Association of Individual Investors (pp. 8-10)

ModelWare[™] A New Approach to Prediction by Ken Tucker, reprinted from PC AI magazine, January/February 1993, pp. 14, 15, 30

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OTHER DOCUMENTS

"Similarity Based Regression: Applied Advanced Pattern Recognition for Power Plant Analysis," by E. J. Hansen and M. B. Caudill, presented at the 1994 EPRI Heat Rate Improvement Conference (9 pp.)

"Applied Pattern Recognition For Plant Monitoring And Data Validation," by Ron Griebenow, E. J. Hansen, and A. L. Sudduth, presented at the Fifth International Joint ISA POWID/EPRI Controls and Instrumentation Conference, La Jolla, California, June 19-21, 1995 (11 pp.)

"Model-Based Nuclear Power Plant Monitoring And Fault Detection: Theoretical Foundations," by Ralph M. Singer, Kenny C. Gross, James P. Herzog, Ronald W. King, and Stephan Wegerich, presented at the International Conference on Intelligent System Application to Power Systems (ISAP '97), July 6-10, 1997, Seoul, Korea (pp. 60-65)

"Application Of A Model-Based Fault Detection System To Nuclear Plant Signals," by K. C. Gross, R. M. Singer, S. W. Wegerich, J. P. Herzog, R. VanAlstine, and F. Bockhorst, presented at the International Conference on Intelligent System Application to Power Systems (ISAP '97), July 6-10, 1997, Seoul, Korea (pp. 66-70)

The above documents are listed on Form PTO-1449 which accompanies this Second Supplemental Information Disclosure Statement, and a copy of each document listed is enclosed herewith.

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Pursuant to 37 CFR § 1.97(h), the filing of this Second Supplemental Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR § 1.56(b).

Respectfully submitted,

FITCH, EVEN, TABIN & FLANNERY

By

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December 4, 2001

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